

INFORMATION REPORT

CD NO. 25X1

COUNTRY East Germany

DATE DISTR. 20 October 1952

SUBJECT Analysis of Coal used in the Harbke Power Plant

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SUPPLEMENT TO
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* Documentary

THIS IS UNEVALUATED INFORMATION

The following is a table showing the properties of the coal used in the Harbke power plant. The table was prepared in 1948 by the Ingenieur-Technisches Konstoffbüro in Leipzig, but the data is valid for 1952.

Boiler (Steam) Coal

Water	45.88 %
Ash	7.49 %
Carbon C	33.09 %
Hydrogen H ₂	2.64 %
Sulfur S	1.64 %
Nitrogen N ₂	0.33 %
Oxygen O ₂	8.93 %
Net calorific power	2796 thermal units
Calorific value, pure coal	6583 thermal units
Specific weight	1.243

Sieve Analysis

40 mm. sieve	17.2 %
30 mm. "	7.0 %
25 mm. "	4.0 %
20 mm. "	6.5 %
15 mm. "	8.0 %
10 mm. "	13.4 %
4 mm. "	18.0 %
3 mm. "	4.7 %
2 mm. "	4.7 %
Passage (Durchgang)	16.5 %

Fixed Carbon	38.42 %
Volatile Substance	61.58 %

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Ash Analysis

SiO ₂	16.41 %
Fe ₂ O ₃	16.30 %
Al ₂ O ₃	15.59 %
CaO	20.77 %
MgO	0.40 %
SO ₃	29.90 %
Na ₂ O	0.25 %

Beginning of Sintering 1070°C

Beginning of Fusing
(Erweichung) 1215°C

Fusion (Schmelzen) 1265°C

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Comment.

Harbke near Helmstedt (M 53/ T 20).

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